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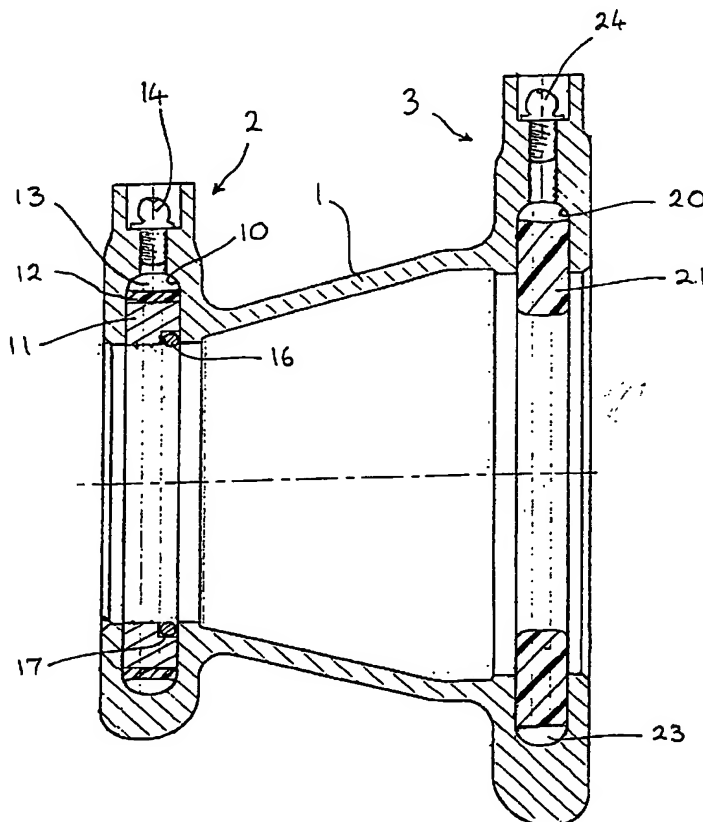
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[Continued on next page]

(54) Title: PIPE REPAIR SYSTEM AND DEVICE



(57) Abstract: The invention provides a coupling member for use in the repair of pipes and pipelines of from 90mm to 250mm in diameter, such as those used for the pipeline transportation and delivery of domestic and industrial liquids such as water, gas, oil and other petrochemicals. Two coupling members are used for each repair. Each has a first collar portion for surrounding the new pipe section and a second collar portion for surrounding a cut end portion of the old pipe section, and the two pipe connectors are located with their respective first collar portions adjacent to one another and their respective second collar portions facing mutually outwardly towards the opposite ends of the new pipe section. Pressure chambers are formed between the annular grooves and the seal members of the first collar portions and between the annular grooves and the nitrile rubber sealing rings of the second collar portions.

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INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 - F16L17/10 F16L37/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 25055 A (BALL DANIEL GRAHAM) 4 May 2000 (2000-05-04) page 3, line 29 -page 4, line 4 page 7, line 23 -page 8, line 7 figures 1,3	1-5
Y	US 4 153 280 A (BUNYAN THOMAS W) 8 May 1979 (1979-05-08) column 3, line 19 -column 4, line 13; figures 1-3	1-5
Y	EP 0 727 026 B (BALL DANIEL GRAHAM) 21 August 1996 (1996-08-21) cited in the application column 3, line 48 -column 5, line 13; figures 1,3	1-5
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 737 179 A (WHITE W) 5 June 1973 (1973-06-05) column 2, line 46 -column 4, line 32; figures 1,2 -----	1-5

INTERNATIONAL SEARCH REPORT

Information on patent family members

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